

# Conversations in Research Integrity and Scholarship

Grand Valley State University  
Responsible Conduct in Research  
Workshop  
February 24, 2018

# RCR Advisory Board

<https://www.gvsu.edu/rcr/>



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# National Science Foundation

**Effective January 4, 2010**

"In accordance with Section 7009 of the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science (COMPETES) Act (42 U.S.C. 18620-1) NSF requires that grantees must have a plan in place to provide **appropriate training and oversight in the responsible and ethical conduct of research (RCR) to undergraduates, graduate students, and postdoctoral researchers** who will be supported by NSF to conduct research. Training plans are subject to review, upon request."



# National Institutes of Health

"NIH requires that all **trainees, fellows, participants, and scholars** receiving support through any NIH training, career development award (individual or institutional), research education grant, and dissertation research grant **must receive instruction in responsible conduct of research**. This policy will take effect with all **new and renewal applications submitted on or after January 25, 2010, and for all continuation (Type 5) applications with deadlines on or after January 1, 2011**.

This Notice applies to the following programs: 043, 071, F05, F30, F31, F32, F33, F34, F37, F38, K01, K02, K05, K07, K08, K12, K18, K22, K23, K24, K25, K26, K30, K99/ROO, KL1, KL2, R25, R36, T15, T32, T34, T35, T36, T37, T90/R90, TL1, TU2, and U2R.

This policy also **applies to any other NIH-funded programs** supporting research training, career development, or research education that require instruction in responsible conduct of research as stated in the relevant funding opportunity announcements.

# What is Responsible Conduct in Research (RCR)?

- **Research Subjects**
- **Research Integrity**
- **Environmental Health and Safety**
- **Fiscal Accountability**

Macrina, F. L. (2005). *Scientific integrity: Text and cases in responsible conduct of research*. Washington, D.C: ASM Press

# Areas of RCR Training

- Research Misconduct
- Conflict of Interest, Commitment and Conscience
- Human Subjects
- Animal Welfare
- Laboratory Safety
- Data Acquisition, Management, Sharing and Ownership
- Responsibility to Society
- Publication Practices, Responsible Authorship and Peer Review
- Collaboration
- Mentor/Trainee Responsibilities

# RCR Policy at GVSU

- Completion of one of the following fulfills GVSU requirements for RCR certification for three years:
  - The Epigeum Full RCR Online Course
  - The University-Sponsored One-Day Intensive RCR Workshop
  - Attendance of at least eight Research Ethics Conversations in one year
  - An RCR-certified, discipline-specific course or interdisciplinary program

# RCR Policy at GVSU

- **NSF and NIH funded Principal Investigators are responsible for ensuring completion of the RCR education requirements by all staff, graduate students, and undergraduate students who are supported by their projects.**



# RCR Policy at GVSU

- Each graduate student must complete RCR training prior to completion of 50% of the graduate program or prior to engaging in any research activity (e.g. voluntary, independent, or supervised research, projects, theses, and dissertations). The following options are available:
  - The Epigeum Full RCR Online Course
  - The University-Sponsored One-Day Intensive RCR Workshop
  - Attendance of at least eight Research Ethics Conversations in one year
  - An RCR-certified, discipline-specific course or interdisciplinary program.
- Individual graduate programs must identify what type of minimal RCR training is required and when it will be required, with approval by the Dean of the Graduate School. Additional RCR training may be required by individual programs. See Graduate School RCR Training Policy for further details

# RCR Policy at GVSU

- NIH Funded Investigators, Trainees, and Participants funded through the following programs: 043, 071, F05, F30, F31, F32, F33, F34, F37, F38, K01, K02, K05, K07, K08, K12, K18, K22, K23, K24, K25, K26, K30, K99/ROO, KL1, KL2, R25, R36, T15, T32, T34, T35, T36, T37, T90/R90, TL1, TU2, and U2R.
- Instruction should include face-to-face discussions. A minimum of 8 contact hours is considered to be substantive, and may be achieved through completion of one of the following:
  - The University-Sponsored One-Day Intensive RCR Workshop
  - Attendance of at least eight Research Ethics Conversations in one year
  - An RCR certified discipline-specific course or interdisciplinary program

# RCR Policy at GVSU

- **All faculty are required to complete the Epigeum RCR Concise Course for Experienced Researchers (45-minute Core Course).** Faculty and staff who have internal funding (e.g., GVSU R&D grants) are required to complete the Epigeum RCR Concise Course prior to the release of funds.

# What is Research Misconduct?

- **Fabrication**
- **Falsification**
- **Plagiarism**

# What is Research Misconduct?

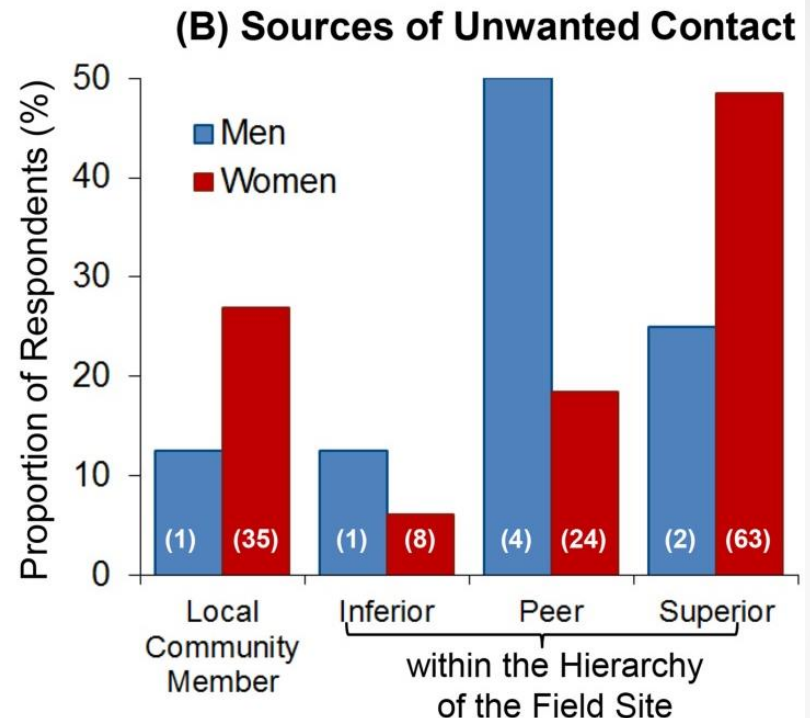
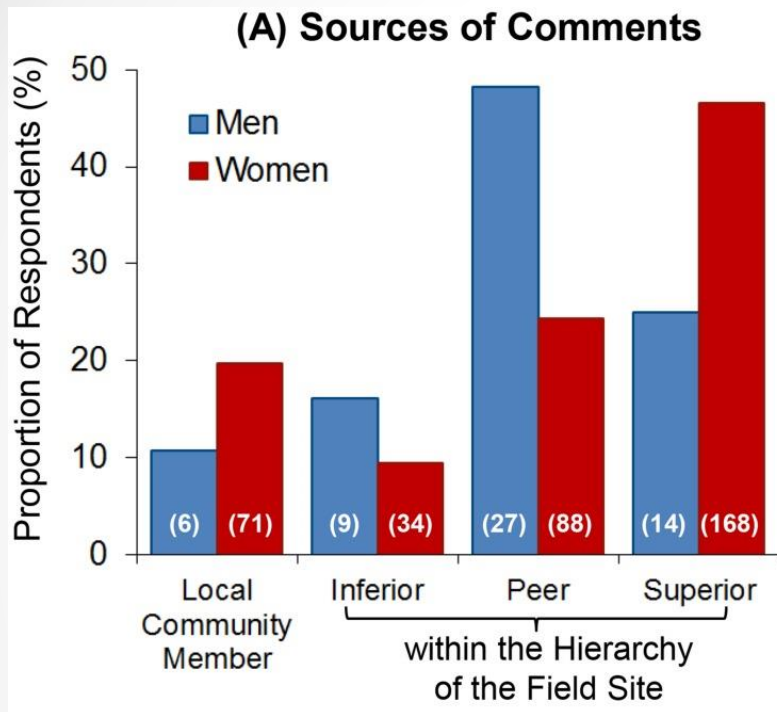
- Prior to 2000
- **Fabrication**
- **Falsification**
- **Plagiarism**
- **Other serious deviations from accepted practices**

# American Geophysical Union

- We affirm that **discrimination, harassment (including sexual harassment), or bullying** in any scientific or learning environment is unacceptable, and **constitutes scientific misconduct** under the AGU Scientific Integrity and Professional Ethics Policy.

# Science Suffers From Harassment

- “Science is not being done outside of interpersonal interactions,” says anthropologist Robin Nelson of Santa Clara University, a co-author on the two recent studies that looked at harassment in the field. Behavior that silences other voices subverts the entire scientific enterprise.



Clancy KB, Nelson RG, Rutherford JN, Hinde K. Survey of academic field experiences (SAFE): trainees report harassment and assault. PLoS One. 2014 Jul 16;9(7):e102172.



# NSF Notice on Harassment

- **NSF has developed a new award term and condition that will require grantee organizations to report findings of sexual harassment, or any other kind of harassment regarding a PI or co/PI or any other grant personnel.**
- The award term and condition also will require the grantee to report the placement of the PI or co-PI on administrative leave relating to a harassment finding or investigation.
- This term and condition will make it clear that NSF may take unilateral action as necessary to protect the safety of all grant personnel, to **include suspending or terminating an award or requiring the grantee to replace or remove personnel.**

# Discussion

1. Should “Other serious deviations from accepted practices” be associated with the definition of research misconduct?
2. What other topics would you like to see covered by RCR training at GVSU?